Fig. 1

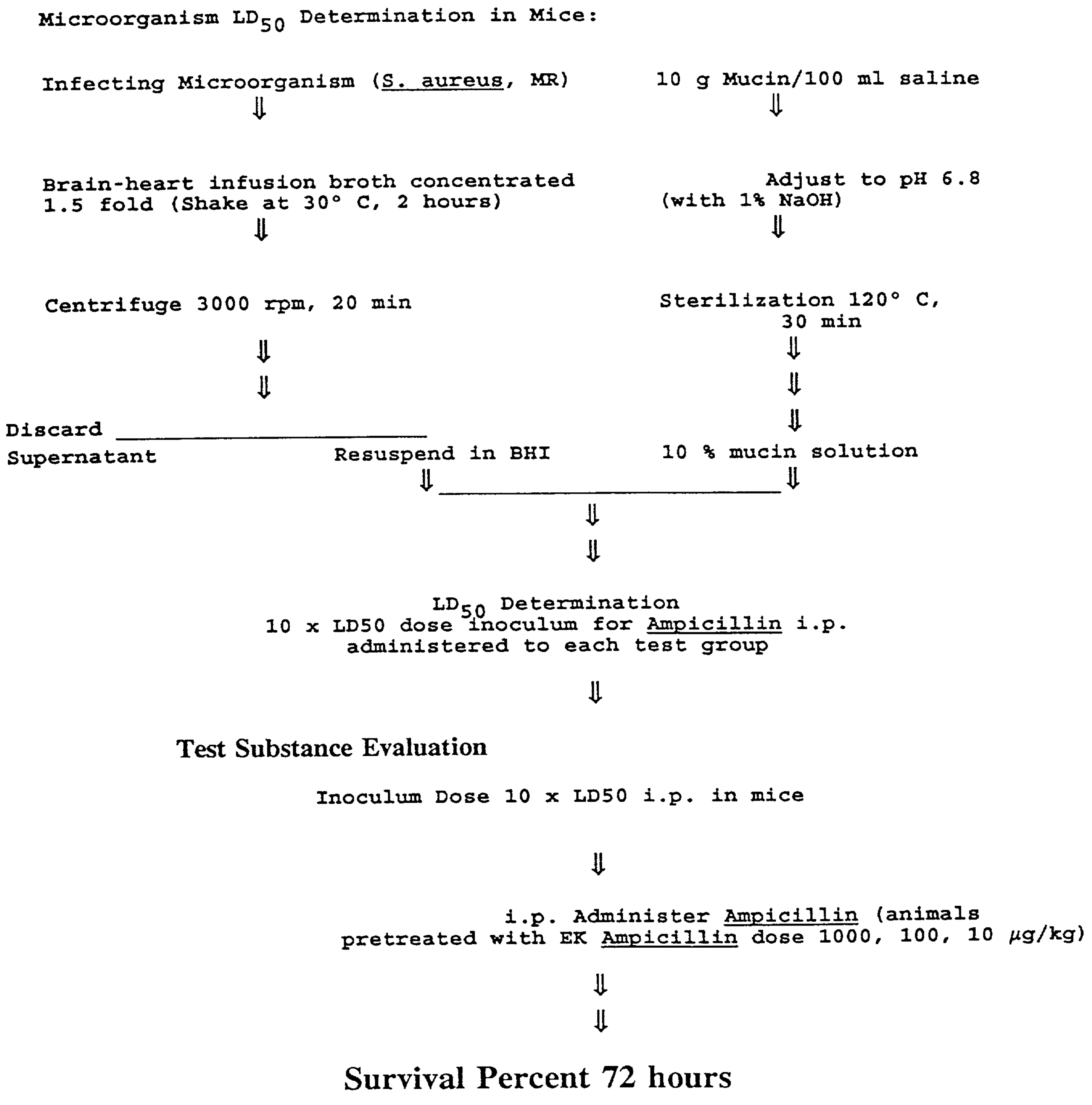
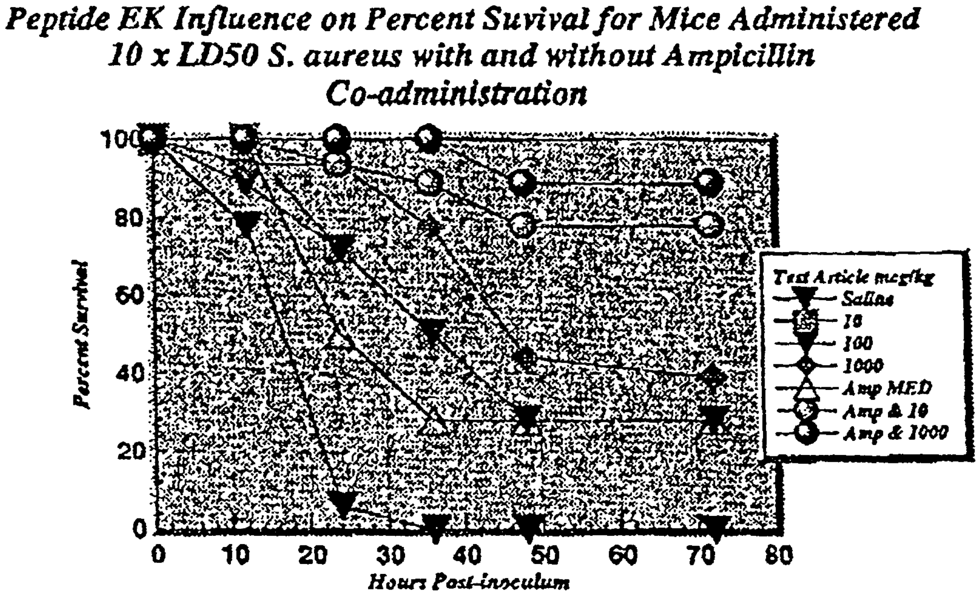

Microorganism LD50 Determination in Mice:
Infecting Microorganism (S. aureus, MR)
10 g Mucin/100 ml saline
Brain-heart infusion broth concentrated 1.5 fold (Shake at 30° C, 2 hours)
Adjust to pH 6.8 (with 1% NaOH)
Centrifuge 3000 rpm, 20 min
Sterilization 120° C, 30 min
Discard Supernatant
Resuspend in BHI
10 % mucin solution
LD50 Determination
10 x LD50 dose inoculum for Ampicillin i.p. administered to each test group
Test Substance Evaluation
Inoculum Dose 10 x LD50 i.p. in mice
i.p. Administer Ampicillin (animals pretreated with EK Ampicillin dose 1000, 100, 10 μg/kg)
Survival Percent 72 hours

Fig. 2



Peptide EK Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus with and without Ampicillin Co-administration

Induced Peritonitis, 18 mice per group including controls

Fig. 3

Peptide EK Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus without Ampicillin

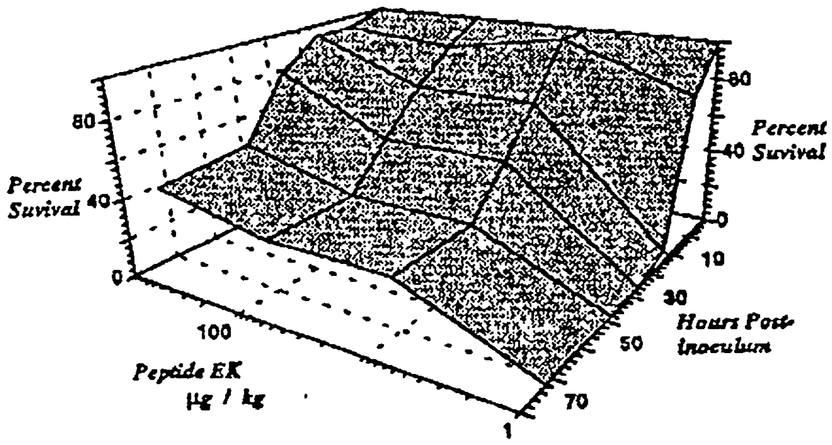


Fig. 4

Peptide EK Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus with the Co-administration of Ampicillin MED

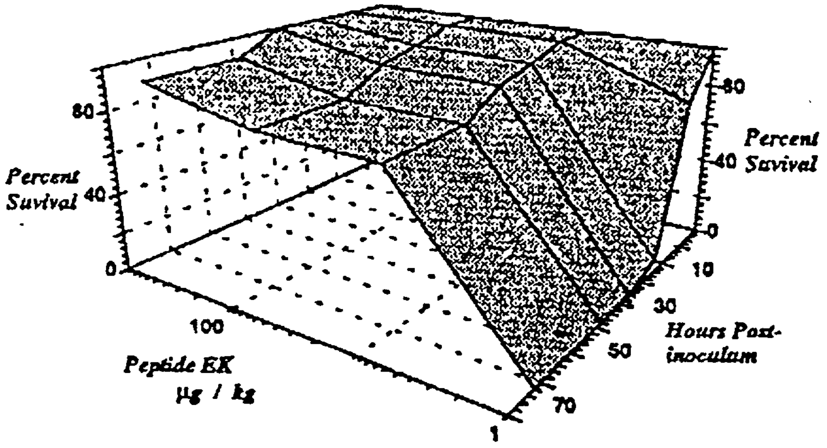
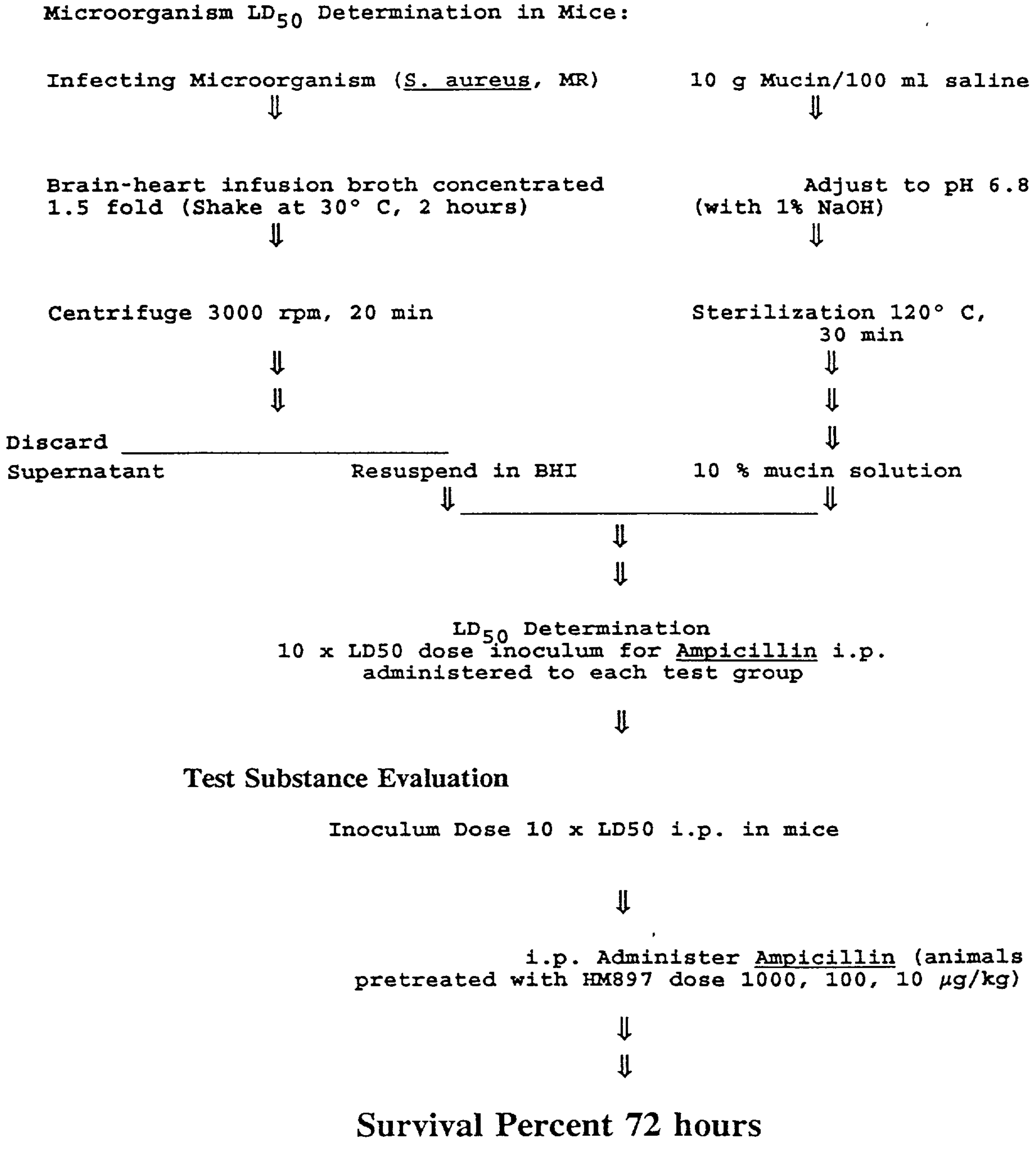


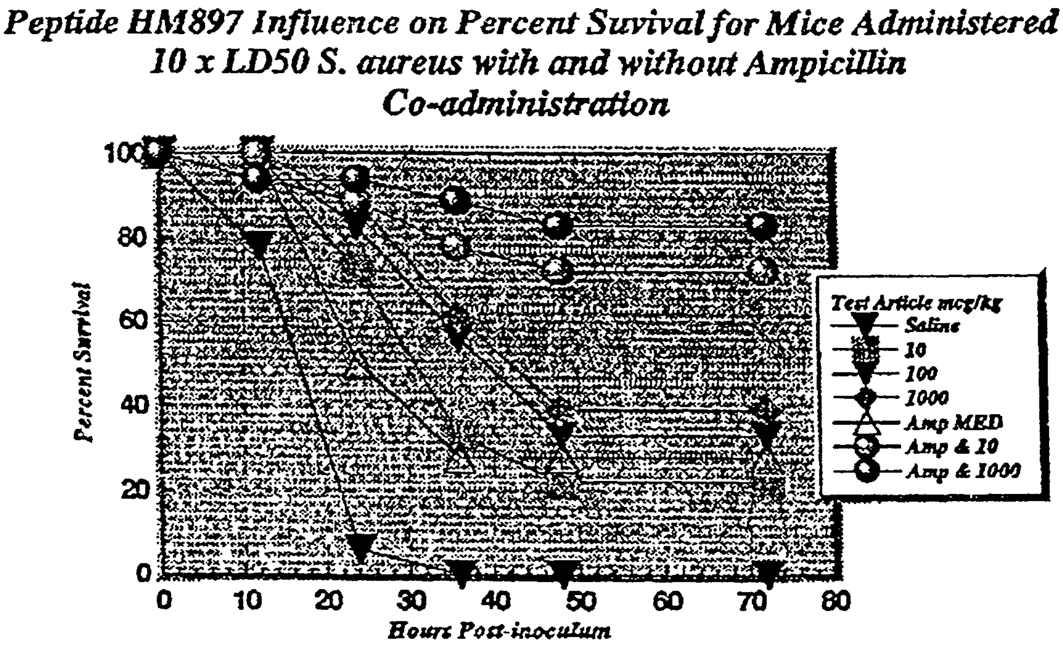
Fig. 5


Microorganism LD_{50} Determination in Mice:
Infecting Microorganism (S. aureus, MR)
10 g Mucin/100 ml saline
Brain-heart infusion broth concentrated 1.5 fold (Shake at 30° C, 2 hours)
Adjust to pH 6.8 (with 1% NaOH)
Centrifuge 3000 rpm, 20 min
Sterilization 120° C, 30 min
Discard Supernatant
Resuspend in BHI
10 % mucin solution
LD_{50} Determination
10 x LD50 dose inoculum for Ampicillin i.p. administered to each test group
Test Substance Evaluation
Inoculum Dose 10 x LD50 i.p. in mice
i.p. Administer Ampicillin (animals pretreated with HM897 dose 1000, 100, 10 μg/kg)
Survival Percent 72 hours

09872503.053101

09872503.053101

Fig. 6

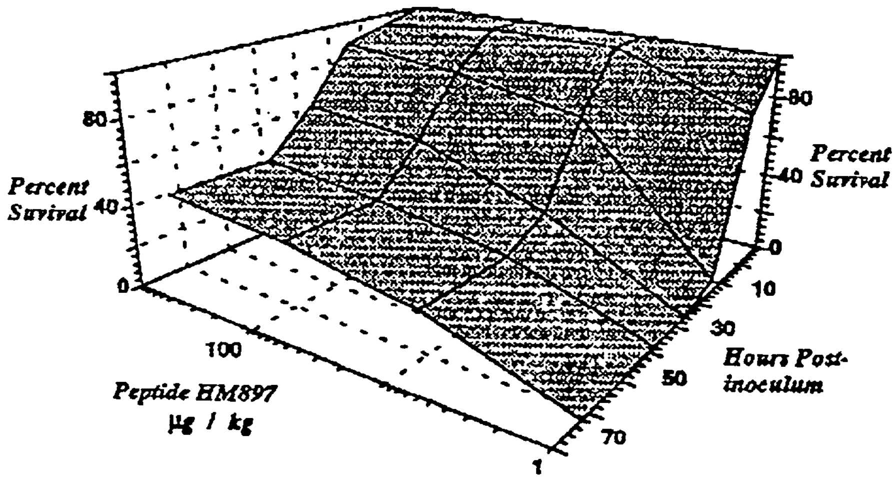


Peptide HM897 Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus with and without Ampicillin Co-administration

Induced Peritionis, 18 mice per group including controls

Fig. 7

Peptide HM897 Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus without Ampicillin



09872503 .052401

Fig. 8

Peptide HM897 Influence on Percent Suvival for Mice Administered 10 x LD50 S. aureus with the Co-administration of Ampicillin MED

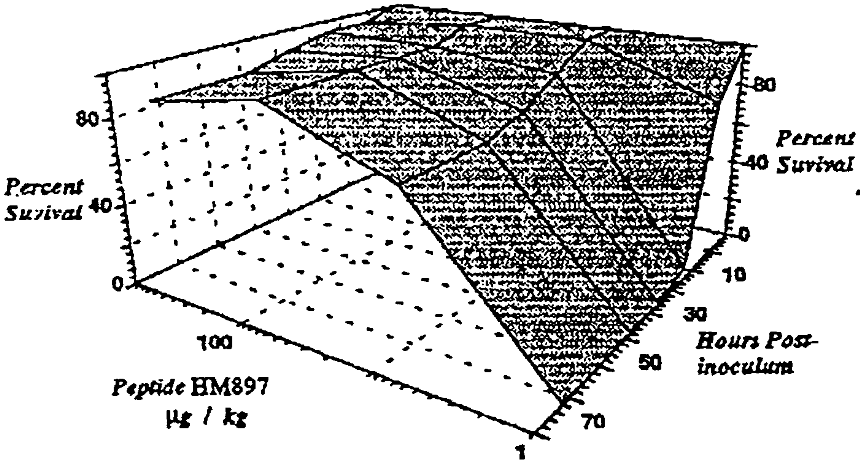
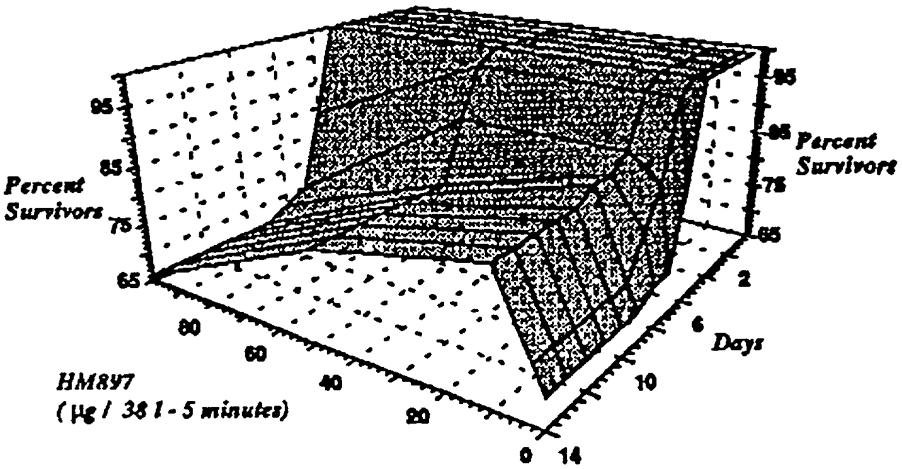


Fig. 9

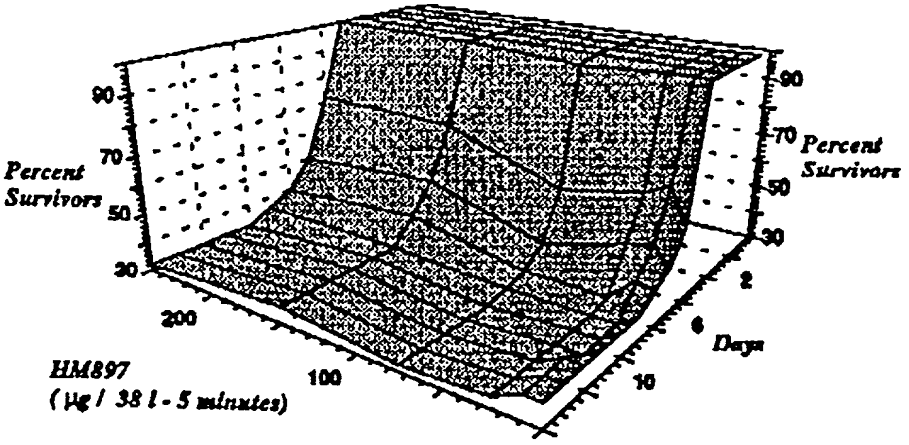
HM897 Influence on Percent Survivors for Vacinated Rainbow Trout Infected with Vibrio anguillarum



** 50 trout inoculated with Vibrio anguillarum 7 days after a 5 minute exposure toTest Article in a 38 liter tank per study group*

09872503.053104

Fig. 10



HM897 Influence on Percent Survivors for Rainbow Trout Infected with Vibrio anguillarum

** 50 trout inoculated with Vibrio anguillarum 7 days after a 5 minute exposure toTest Article in a 38 liter tank per study group*

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